TO/SB/21 (09-04) OMB 0651-0031

PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons uired to respond to a collection of information unless it displays a valid OMB control number Application Number 10/714.191 TRANSMITTAL Filing Date November 14, 2003 **FORM** First Named Inventor John Eritech Art Unit 3677 JUN 2 9 2006 Examiner Name Jeffrey Andrew Sharp III correspondence after initial filing Attorney Docket Number 12-9540-6520-0000-1 of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC ✓ Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Provisional Application Proprietary Information Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Request for Refund Express Abandonment Request CD. Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name MacLean Fogg Company Printed name Dana Andrew Alden Date Reg. No. June 27, 2006 46,475 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature

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Dana Andrew Alden

Typed or printed name

June 27, 2006

Date

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Name (Print/Type) Dana Andrew Alden

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Date June 27, 2006

Effective	on 12/08/	/2004.			Com	plete if K	nown	
EFE TR	d Appropi	riations Act, 2005 (H.R.	4818).	Application Number 10/714,191				
	I LE IIIAIIOIIII I AL [Nov	ember 14	, 2003	
For FY 2005				First Named Inv	entor Joh	n Fritsch		
Applicant claims small er	titu atata	- Con 27 CED 4.2	_	Examiner Name	Jeff	rey Andre	w Sharp	
				Art Unit	367	7		
TOTAL AMOUNT OF PAYME	NT (\$) 180.00		Attorney Docket	No. 12-9	9540-6520	0-0000-1	
METHOD OF PAYMENT (check a	all that apply)						
Check Credit Ca		Money Order	Nor	ne Other (p	lease identify):		
✓ Deposit Account Dep	osit Accou	unt Number:5023	318	Deposit Ac	count Name:_	MacLear	-Fogg Company	
For the above-identifie	d deposit	t account, the Directo	or is he	eby authorized to:	(check all th	nat apply)		
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FEE CALCULATION								
1. BASIC FILING, SEARC	FILING	FEES		CH FEES	EXAMINA	TION FEI	ES	
Application Type	Fee (\$)	Small Entity Fee (\$)	Fee (\$	Small Entity Fee (\$)		Small Entit		
Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
Provisional	200	100	0	0	0	0		
2. EXCESS CLAIM FEES Fee Description Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues) Each independent claim over 3 (including Reissues) Each independent claim over 3 (including Reissues) Total Claims Total Claims Pa = highest number of total claims paid for, if greater than 20.								
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Signature // / / / / / / / / / / / / / / / / /	n. [4]	111/2	- 1	Registration No.	6,475	Tele	phone (847) 970-4645	

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Via Express 1st Class Mail Our File No. 12-9540-6520-0000-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors

John Fritsch

Serial Number :

10/714,191

37 1 44 0000

Filing Date

November 14, 2003

Title

U-Nut Fastening Assembly

Examiner

Jeffrey Andrew Sharp

Art Unit

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2006.

Dana Andrew Alden Registration No. 46,475

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Dear Sir:

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REMARKS

In accordance with M.P.E.P. § 609, 37 C.F.R. §§ 1.97 and 1.98, Applicants tender herewith an information disclosure statement containing references, which may be material to patentability of the present invention.

As required, Applicants have included a copy of each foreign patent document and each non-patent publication. With respect to the requirement for a concise explanation of the relevance of information not in English, Applicants followed the following procedure. For each non-English document, Applicants first attempted to acquire a corresponding English version of the complete document. See, M.P.E.P. § 609.04(a) III. Where a corresponding English version of the complete document was unavailable, Applicants then attempted to acquire an English version of the Abstract. See, M.P.E.P. § 609.04(a) III. Where an English version of the Abstract was not available, Applicants then attempted to provide the office action or search report, wherein the reference was cited. See, M.P.E.P. § 609.04(a) III. Where neither of the foregoing were available, Applicants prepared a rough translation of the document. See, M.P.E.P. § 609.04(a) III.

Please be advised, that Applicants were unable to acquire copies of the following documents, which may be material to patentability of the present invention:

- 1. JP 51-124573;
- 2. IT 636531;
- 3. JP 59-54971:
- 4. JP 56-148116; and
- JP 63-152822.

With respect to JP 56-148116 and JP 63-152822, however, Applicant encloses, immediately following this page, a translation of the office action wherein they were cited, as well as a translation of a portion of each document.

Applicant would appreciate the Examiner considering each reference on the enclosed information disclosure statements. If the Examiner has any questions, comments, or requests in relation to the enclosed, please do not hesitate to contact Applicants' representative.

Dated: June 27, 2006

e. ,

Respectfully Submitted,

Dana Andrew Alden (Reg. No. 46,475) MacLean-Fogg Company 1000 Allanson Road Mundelein, Illinois 60060

(847) 970-4645

The invention claimed in claims 1 through 9 of the present application is considered to have been easily made on the basis of the inventions described in the following publications which were circulated in Japan prior to the filing of the present application, and therefore the invention is considered unpatentable in view of the provisions of Article 29, Para 2. of the Patent Law.

REFERENCES

- (1) Japanese Utility Model Laid-open JP-U-A-56-148116 (1981)
- (2) Japanese Utility Model Laid-open JP-U-A-63-152822 (1988)
- (3) Japanese Patent Laid-open JP-A-54-147349 (1979)
- (4) Japanese Patent Laid-open JP-A-62-176828 (1987)
- (5) Japanese Patent Laid-open JP-A-61-192915 (1986)

Remarks:

- With respect to claims 1 to 9:
- (1) References 1: See the shape of a covering body 1 in which a nut body 4 is disposed. With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. This prevents the bolt from loosening.
- (2) References 2: See the structure for retaining a leaf spring 13.
- (3) References 3: See the structure for covering a soft packing 4 with a plastic cap 5.
- (4) It is a well known matter to retain a nut and the like with a circular rib (see references 4 and 5).
- (5) It is merely a matter of engineering design to provide a circular rib for retaining a washer.

Translation of the relevant portions of reference 1

(Japanese Utility Model Publication JP-U-A-56-148116 (1981))

(1) References 1 discloses a nut comprising a covering body 1 in which and a nut body 4 is disposed. The covering body 1 is made of hard plastic material. The nut body 4 of metal is embedded in the covering body 1 at its lower end and includes an internal threads 3, a pitch diameter of which is substantially the same as the inner diameter of the bore 2 of covering body 1.

With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. Thus this prevents the bolt from loosening due to the elasticity of the hard plastic material.

Translation of the relevant portions of reference 2 (Japanese Utility Model Publication JP-U-A-63-152822 (1988))

Reference 2 discloses a nut for a bolt for retaining a corrugated plate. A plastic cap 1 includes an annular groove 6 formed therein. A threaded member 3 is fixed within the cap 1 so that it can not rotate relative to the cap 1. An elastic disk-shaped abutment plate 7 is inserted in the groove 6 for rotation. A leaf spring 13 is interposed between the abutment plate 7 and the threaded member 3 and freely received in the groove 6. A through hole 14 for a bolt is centrally formed in the leaf spring 13.

A hook bolt 2 is threaded into the threaded member 3 with the upper surface of the abutment plate 7 abutting against the lower surface of the elastic plate 13.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

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Sheet 1

Examiner	Cite	Document Number	Publication Date	DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where	
nitials*	No.1	Number-Kind Code ^{2 (F Anown)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
/JL/		^{US-} 33,487	10-15-1861	L. Marsh	Pages 1-2	
T		^{US-} 45,133	11-22-1864	Bonwill	Pages 1-3	
1		^{US-} 80,031	07-14-1868	N. Thompson	Pages 1-3	
		^{US-} 142,112	08-26-1873	Corning et al.	Pages 1-2	
Т	Ī	^{US-} 185,936	01-02-1877	Landfear	Pages 1-2	
		^{US-} 197,467	11-27-1877	H. A. Harvey	Pages 1-2	
Т		^{US-} 205,990	07-16-1878	G. C. Armstrong	Pages 1-3	
\top		US- 229,287	05-27-1884	F. B. Stevens	Pages 1-3	
Т		^{US-} 243,493	06-28-1881	J. C. Bloom	Pages 1-2	
\top		^{US-} 292,063	01-15-1884	N. E. Shailer	Pages 1-3	
\top		^{US-} 324,487	08-18-1885	Rice	Pages 1-3	
Т		^{US-} 367,196	07-26-1887	B. N. Deblieux	Pages 1-2	
		^{US-} 369,362	09-06-1887	D. C. Plank	Pages 1-3	
		US-				
		us- 388,000	08-14-1888	J. T. Rider	Pages 1-3	
		^{US-} 429,851	06-10-1890	Ericson	Pages 1-3	
1		^{US-} 449,887	04-07-1891	C. D. Harvey	Pages 1-3	
\mathbf{v}		^{US-} 453,563	06-02-1891	Nicholson	Pages 1-2	
/JL/		^{US-} 464,301	12-01-1891	H. A. Harvey	Pages 1-3	

			IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	_
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY	.,	Or Relevant Figures Appear	
/JL/		GB2201216	08-24-1988	Heal	Pages 1-15	
\neg		GB739495	10-26-1955	Svenska Aktiebolaget	Pages 1-5	Г
		EP291412 A1	11-17-1988	Gault	Pages 1-14	V
		WO 9407041	03-31-1994	Matthews Norma Leslie	Pages 1-24	
V		DE 41 05 741 A1	09-03-1992	Mercedes Benz	Pages 1-6	V
/JL/		GB 2051285	01-14-1981	Jones	Pages 1-4	Г

Examiner | /Jack Lavinder/ (02/04/2008) | Date | Considered |

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/714.191 Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

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Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitials*	No.1	Number-Kind Code ^{2 (F known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
/JL/		^{US-} 497,510	05-16-1893	Adler	Pages 1-3
		^{US-} 551,043	12-10-1895	H. A. Otto	Pages 1-2
		^{US-} 553,780	01-28-1896	J. Dickason	Pages 1-3
		^{US-} 586,232	07-13-1897	S. W. English	Pages 1-3
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		US- 638,326	12-05-1899	E. L. Farr	Pages 1-4
		^{US-} 684,673	10-15-1901	C. S. Clark	Pages 1-4
		^{US-} 715,891	12-16-1902	W. A. Somerby	Pages 1-3
		^{US-} 720,580	02-17-1903	E. T. Greenfield	Pages 1-3
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		^{US-} 793,824	07-04-1905	J. V. Cultiney	Pages 1-4
		^{US-} 794,127	07-04-1905	C. E. Slayton & D. L. Zellner	Pages 1-5
	L	us- 827,562	07-31-1906	J. N. Pollock & N. W. Deruelle	Pages 1-3
		us- 843,720	02-12-1907	J. Waddell & D. W. Tower	Pages 1-3
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1/		^{US-} 887,962	05-19-1908	H. Reisner	Pages 1-3
V		^{US-} 889,593	06-02-1908	J. C. Fleischmann	Pages 1-3
/JL/	Г	us- 909,033	01-05-1909	L. A. Smith	Pages 1-2

		FOREI	GN PATENT DOCL	IMENTS		_
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
inidais	NO.	Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	T ⁶
/JL/		GB 567 862	03-06-1945	Birchall	Pages 1-4	
		GB 662 298	12-05-1951	Simmonds Aerocessories Lt	Pages 1-4	
		AU-B-1 785 270	01-27-1972	Padget	Pages 1-16	г
7/		GB-A-213 188	03-27-1924	William Youlten	Pages 1-3	
V		GB-A-7 781	03-28-1912	C. J. H. MacKenzie-Kenned	Pages 1-7	
/JL/		FR 575 341	07-28-1924	Gloriod	Pages 1-2	V

l	Signature	/Jack Lavinder/ (02/04/2008)		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/714,191				
Filing Date	November 14, 2003				
First Named Inventor	John Fritsch				
Art Unit	3677				
Examiner Name	Jeffrey Andrew Sharp				
Attorney Docket Number	12-9540-6520-0000-1				

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/JL/		^{US-} 910,712	01-26-1909	M. C. McCoy	Pages 1-3
		^{US-} 920,947	05-11-1909	C. N. Gilmore	Pages 1-4
		^{US-} 948,326	02-08-1910	J. P. Hesse	Pages 1-3
		^{US-} 949,741	02-15-1910	C. D. Loehr	Pages 1-2
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		^{US-} 1,000,280	08-08-1911	Messenger	Pages 1-3
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		^{US-} 1,015,059	01-16-1912	Morgan	Pages 1-3
		^{US-} 1,016,897	02-06-1912	C. Ryan	Pages 1-2
		^{US-} 1,036,825	08-27-1912	Garchey	Pages 1-3
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		^{US-} 1,049,590	01-07-1913	P. W. Mosher	Pages 1-3
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		us- 1,070,247	08-12-1913	F. P. Haines	Pages 1-3
		us- 1,075,310	10-7-1913	M. C. Ulrich	Pages 1-3
		^{US-} 1,088,892	03-03-1914	Foreman	Pages 1-3
_V		^{US-} 1,112,525	10-06-1914	H. R. Darling	Pages 1-3
/JL/		^{US-} 1,143,091	06-15-1915	E. B. Stimpson	Pages 1-4

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		Country Code ³ "Number ⁴ "Kind Code ⁶ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T6
/UL/		FR 633 186	01-23-1928	Vallery	Pages 1-2	7
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Examiner Signature	/Jack Lavinder/ (02/04/2008)	Date Considered

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Application Number

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US- 1,465,148

/Jack Lavinder/ (02/04/2008)

Sheet

Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

10/714.191

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Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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Japanese patent documents, the indication of the year of the reign of the Emperor must proceed the senial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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Complete if Known Application Number 10/714.191 Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp

12-9540-6520-0000-1

Pages 1-3

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INFORMATION DISCLOSURE				Filing Date	November 14, 2003			
				First Named Inventor	John Fritsch			
SI			PPLICANT	Art Unit	3677			
(Use as many sheets as necessary)				Examiner Name	Jeffrey Andrew Sharp			
Sheet	12	of	42	Attorney Docket Number	12-9540-6520-0000-1			

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				First Named Inventor	John Fritsch			
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Sheet	13	of	42	Attorney Docket Number	12-9540-6520-0000-1			

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INC	ODMATI	ON DISC	CLOSURE	Filing Date	November 14, 2003	
				First Named Inventor	John Fritsch	
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Sheet	14	of	42	Attomey Docket Number	12-9540-6520-0000-1	

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Complete if Known Substitute for form 1449/PTO Application Number 10/714,191 Filing Date INFORMATION DISCLOSURE November 14, 2003 First Named Inventor John Fritsch STATEMENT BY APPLICANT Art Unit 3677 (Use as many sheets as necessary) Examiner Name Jeffrey Andrew Sharp Sheet 16 of Attorney Docket Number 12-9540-6520-0000-1

				T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f Innext)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
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of

Substitute for form 1449/PTO

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Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attomey Docket Number	12-9540-6520-0000-1

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
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USPTO Parent Documents at <u>www.uspin.cop.</u> or MPEP 90.104. *Enter Office that issued the document, by the ho-letter code (WiPO Standard ST.3). *For Japanese patent document is the indication of the year of the reign of the Emperor must precode the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE
Filing Date November 14, 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 20 of 42

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attomey Docket Number	12-9540-6520-0000-1

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Examiner Signature /Jack Lavinder/ (02/04/	Date Considered	

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Examiner

/Jack Lavinder/ (02/04/2008)

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(Use as many sheets as necessary) Sheet

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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nd not considered, include copy of this form with next communication to applicant. ¹Applicant's unique cluston designation number (options). ³See Kinds Codes of USPTO Patent Documents at <u>www.paten.gov</u> or MPEP 90.04. ³Enter Office that issued the document, by the two-chater code (WIPO Standard'S 73.). ⁵For Japanese patent documents, he indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Nind of document to the appropriate symbols as indicated on the document under WIPO Standard's 7.15 if possible. ³Nipolecant to be place at most when a check mark here I Emplish integrages. Translation is attached.

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Sheet 23 of 42

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Application Number	10/714,191			
Filing Date	November 14, 2003			
First Named Inventor	John Fritsch			
Art Unit	3677			
Examiner Name	Jeffrey Andrew Sharp			
Attorney Docket Number	12-9540-6520-0000-1			

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
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Sheet

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	John Fritsch			
SI	—			Art Unit	3677			
(Use as many sheets as necessary)			necessary)	Examiner Name	Jeffrey Andrew Sharp			
Shoot	28	of	42	Attomey Docket Number	12-9540-6520-0000-1			

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Examiner

Application Number	10/714,191	7
Filing Date	November 14, 2003	
First Named Inventor	John Fritsch	
Art Unit	3677	
Examiner Name	Jeffrey Andrew Sharp	_
Attorney Docket Number	12-9540-6520-0000-1	_

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				First Named Inventor	John Fritsch	
51			APPLICANT	Art Unit	3677	
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Sheet	32	of	42	Attorney Docket Number	12-9540-6520-0000-1	

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Application Number 10/714,191

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Filling Date November 14, 2003

First Named Inventor

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of.

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Sheet

Art Unit 3677

Examiner Name Jeffrey Andrew Sharp

Attomey Docket Number 12-9540-6520-0000-1

John Fritsch

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/JL/		GB 2 167 516	05-19-1986	Key Manufacturing Inc.	Pages 1-6	

Examiner Signature	/Jack Lavinder/ (02/04/2008)	Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) 34 42

of

/ lack Lavinder/ (02/04/2008).

Translation is attached.

Substitute for form 1449/PTO

Sheet

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (F known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/JL/		^{US-} 712,905	11-04-1902	J. W. Cannon	Pages 1-3
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Substitute for form 1449/PTO

Sheet

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Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

				DOCUMENTS	
Examiner Initials*	No.1	Document Number Number-Kind Code ^{2 (f Issue)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear
/JL/		^{US-} 4,824,305	04-25-1989	McCauley	Pages 1-6
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		^{US-} 4,275,285	06-23-1981	Jadach	Pages 1-7
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		^{US-} 4,669,937	06-02-1987	Feldman	Pages 1-4
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*		^{US-} 1,727,590	09-10-1929	T. Ferry	Pages 1-3
/JL/		^{US-} 4,460,300	07-17-1984	Bettini et al.	Pages 1-4

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Examiner Signature	/Jack Lavinder/ (02/04/2008)	Date Considered	

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Subs	stitute for form 1449/PTO			Complete if Known			
				Application Number	10/714,191		
IN	INFORMATION DISCLOSURE		CLOSUDE	Filing Date	November 14, 2003		
				First Named Inventor	John Fritsch		
S	TATEMENT			Art Unit	3677		
	(Use as many s	heets as ne	cessary)	Examiner Name	Jeffrey Andrew Sharp		
Sheet	36	of	42	Attorney Docket Number	12-9540-6520-0000-1		

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/JL/		^{US-} 4,944,644	07-31-1990	Bell	Page 1-7
		^{US-} 4,557,654	12-10-1985	Masuda et al.	Pages 1-9
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/Jack Lavinder/ (02/04/2008)

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Substitute for form 1449/PTO

Sheet

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Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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/JL/		^{US-} 5,584,628	12-17-1996	Bernoni	Pages 1-6	
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T		US- 5,857,818	01-12-1999	Bias, Sr.	Pages 1-5	
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		FOREI	GN PATENT DOCU	MENTS		
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Application Number

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

of

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Sheet

First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

10/714,191

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitials*	Cite No.1	Number-Kind Code ^{2 (Floorer)}	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
/JL/		^{US-} 6,102,488	08-15-2000	Wilson	Pages 1-5
		US- 2,393,323	01-22-1946	D. C. Hungerford et al.	Pages 1-5
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(Use as many sheets as necessary) 39 Sheet of 42

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Signature

Translation is attached.

/Jack Lavinder/ (02/04/2008)

November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp 12-9540-6520-0000-1 Attorney Docket Number

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		^{US-} 4,169,630	10-02-1979	Wagner	Pages 1-5
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Pages 1-5

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Examiner

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First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

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Examiner Name Jeffrey Andrew Sharp

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/JL/		C. MARTIN, Supplementary European Search Report, June 31, 2006, Page 1-3, European Patent Office	

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Sheet 1 of 2

Art Unit 3677 **Examiner Name** Jeffrey Andrew Sharp Attomey Docket Number 12-9540-6520-0000-1

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Complete if Known Application Number 10/714.191 Filing Date November 14, 2003 John Fritsch 3677

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Complete if Known Substitute for form 1449/PTO Application Number 10/714.191 INFORMATION DISCLOSURE Filing Date November 14, 2003 STATEMENT BY APPLICANT First Named Inventor John Fritsch Art Unit 3677 (Use as many sheets as necessary) Examiner Name Jeffrey Andrew Sharp Sheet Attorney Docket Number 2 2 12-9540-6520-0000-1 of

		NON PATENT LITERATURE DOCUMENTS	
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/JL/		Martin, C., European Search Report for Application No. EP 99102819, June 1, 1999, Pages 1-2, European Patent Office	

Examiner	/Jack Lavinder/ (02/04/2008)	Date
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

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Application Number 10/714,191 Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

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	Application Number	10/714,191
INFORMATION DISCLOSURE	Filing Date	November 14, 2003
STATEMENT BY APPLICANT	First Named Inventor	John Fritsch
(Use as many sheets as necessary)	Art Unit	3677
(222221101) 41000 00 11000001)	Examiner Name	Jeffrey Andrew Sharp
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	Schaeffler, C., Search Report, September 2, 1999, Pages 1-2, The National Institute of Industrial Property, Republic of France	
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	Cite No.¹	No. the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Schaeffler, C., Search Report, September 2, 1999, Pages 1-2, The

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Application Number 10/714.191 Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

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		NON PATENT LITERATURE DOCUMENTS	
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Application Number 10/714.191 Filing Date November 14, 2003 First Named Inventor John Fritsch Art Unit 3677 Examiner Name Jeffrey Andrew Sharp Attorney Docket Number 12-9540-6520-0000-1

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Sheet 1 of 2

 Application Number
 10/714,191

 Filing Date
 November 14, 2003

 First Named Inventor
 John Fritsch

 Art Unit
 3677

 Examiner Number
 2940 Andrew Sharp

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/JL/		^{US-} 3,942,570	03-19-1976	Bochman, Jr. et al.	Pages 1-10
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Sheet 2 of 2 Attorney Docket Number 12-9540-6520			12-9540-6520-0000-1				

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/JL/		Hoffmann, M. P., European Search Report for EP 88 11 5654, October 3, 1989, Page 1, European Patent Office	

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